

AMENDMENTS TO THE CLAIMS

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Claims 1-20 (Canceled).

Claim 21 (Currently amended): An isolated nucleic acid encoding a human C6 antibody that specifically binds to c-erbB-2, wherein said C6 antibody comprises the variable heavy (V_H) chain of C6.5 (SEQ ID NO. 32) and/or the variable light (V_L) chain of C6.5 (SEQ ID NO. 36).

Claim 22 (Original): The nucleic acid of claim 21, wherein said C6 antibody binds to SK-BR-3 cells with a K_d less than about 1.6×10^{-8} as determined using a scatchard assay.

Claim 23 (Canceled).

Claim 24 (Original): The nucleic acid of claim 21, wherein said nucleic acid encodes the variable light (V_L) chain of C6.5.

Claim 25 (Original): The nucleic acid of claim 21, wherein said nucleic acid encodes the variable heavy (V_H) chain of C6.5.

Claim 26 (Currently amended): The nucleic acid of claim 21, wherein said nucleic acid encodes C6.5 the variable heavy (V_H) chain of C6.5 (SEQ ID NO. 32) and the variable light (V_L) chain of C6.5 (SEQ ID NO. 36).

Claim 27 (Canceled).

Claim 28 (Currently amended): An isolated cell comprising a recombinant nucleic acid that encodes a human antibody that specifically binds c-erbB-2, wherein said antibody is a C6 antibody and said nucleic acid comprises a nucleic acid according to any one of claims 21, 22, 24, 25, 26, 28, and 29.

Claim 29-40 (Canceled)

Claim 41 (Currently amended): A nucleic acid molecule comprising a nucleotide sequence encoding a single chain polypeptide that exhibits the antibody-binding specificity of a human C6 antibody, said polypeptide comprising:

a) a first polypeptide domain, comprising an amino acid sequence that is the binding portion of a variable region of a heavy chain of a human C6 antibody of C6.5 (SEQ ID NO. 32);

b) a second polypeptide domain, comprising an amino acid sequence that is the binding portion of a variable region of a light chain of a human C6 antibody of C6.5 (SEQ ID NO. 36);
and

c) at least one polypeptide linker comprising an amino acid sequence spanning the distance between the C-terminus of one of the first or second domains and the N-terminus of the other, whereby said linker joins the first and second polypeptide domains into a single chain polypeptide.

Claims 42-44 (Canceled).

Claim 45 (Currently amended): An expression cassette, comprising:

a) the nucleic acid molecule of any one of claims 21, 22, 24, 25, 26, 28, 29, and 41; and

b) a control sequence operably linked to the nucleic molecule and capable of directing the expression thereof.

Claims 46-50 (Canceled).